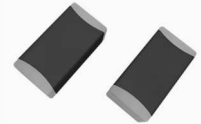


COIL SPECIFICATION



ZenithTek

Brand **ZenithTek**
 Product Series Code **ZFB - Series**
 File Version **V 1.2**
 Description **Multilayer Ferrite Chip Bead**



Features

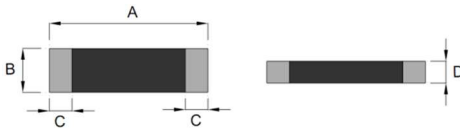
- Bead Inductor for power storage or noise suppressor.
- All series of product are RoHS compliant.

Product Identification

ZFB - 0603 N/S/H - 121 N

1 2 3 4 5

Dimension (Unit: mm)



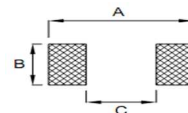
Type	A	B	C	D
ZFB-0402	1.00±0.10	0.50±0.10	0.25±0.15	0.50±0.10
ZFB-0603	1.60±0.20	0.80±0.20	0.30±0.20	0.80±0.20
ZFB-0805	2.00±0.20	1.20±0.20	0.50±0.30	0.90±0.20
ZFB-1206	3.20±0.20	1.60±0.20	0.50±0.30	1.10±0.20
ZFB-1210	3.20±0.20	2.50±0.20	0.50±0.30	1.30±0.20
ZFB-1806	4.50±0.25	1.60±0.20	0.50±0.30	1.60±0.20
ZFB-1812	4.50±0.25	3.20±0.20	0.50±0.30	1.50±0.20

Applications

- Ideal for power line and signal line circuits.

- 1.Product Code:
ZFB = ZenithTek Code.
- 2.Dimension Code:
0603 = 1.6 * 0.8 * 0.8 mm.
- 3.Type Code:
N = Normal Curve.
S = Sharp Curve.
H = High Current.
- 4.Impedance Code:
121 = 120 Ω.
- 5.Tolerance Code:
N = 25%.

Land Pattern (Unit: mm)



Type	A(Ref.)	B(Ref.)	C(Ref.)
ZFB-0402	2.20	0.70	0.40
ZFB-0603	2.80	1.00	0.60
ZFB-0805	3.20	1.50	0.60
ZFB-1206	4.40	1.80	1.20
ZFB-1210	4.40	2.70	1.20
ZFB-1806	5.80	1.80	2.00
ZFB-1812	5.80	3.40	2.00

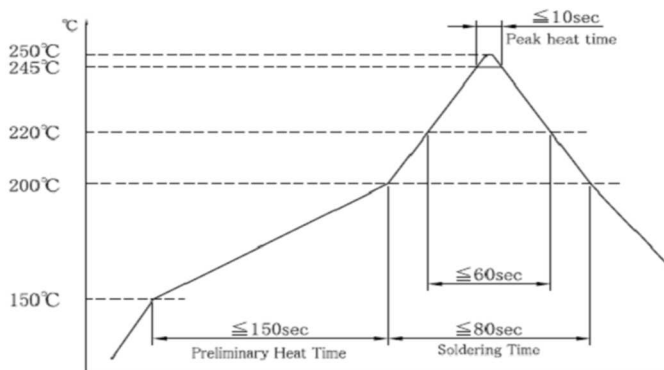
Product Structure



Schematic



Reflow Heat Endurance



Operating & Storage Conditions

Operating Temp. : -40°C~+125°C.
 Storage Temp. : -40°C~+85°C.
 Storage life time : 12 months@25°C,RH 65%.

Standard & Atmospheric Conditions

Ambient Temp. : 20°C±15°C / Relative Humidity : 65± 20%.
 If there may be any doubt on the result, measurement shall be made within the following limits :
 Ambient Temp. : 25°C±5°C / Relative Humidity : 75±1 0%.

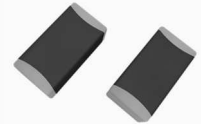
Test Equipment

HP4284A, HOKIO3532-50 - IDC, L.
 HP4291B - RF IMPEDANCE.
 HP4338A MILLIOHMETER - RDC.

COIL SPECIFICATION



Brand ZenithTek
Product Series Code ZFB - Series
File Version V 1.2
Description Multilayer Ferrite Chip Bead



Electrical Characteristic

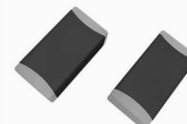
Part Number	Impedance (Ω)	Tolerance (%)	Test Frequency (MHz)	DCR(Ω) (Max.)	Rated Current (mA)/(Max.)
ZFB-0402N-060□	6	25	100	0.050	500
ZFB-0402N-100□	10	25	100	0.050	500
ZFB-0402N-300□	30	25	100	0.200	300
ZFB-0402N-400□	40	25	100	0.300	300
ZFB-0402N-750□	75	25	100	0.400	300
ZFB-0402N-800□	80	25	100	0.500	200
ZFB-0402N-101□	100	25	100	0.400	500
ZFB-0402N-121□	120	25	100	0.500	200
ZFB-0402N-241□	240	25	100	0.500	200
ZFB-0402N-471□	470	25	100	0.900	200
ZFB-0402N-601□	600	25	100	1.000	200
ZFB-0402N-102□	1000	25	100	1.500	100
ZFB-0402N-182□	1800	25	100	2.200	200

Note : Tolerance : N = ±25%.

COIL SPECIFICATION



Brand **ZenithTek**
 Product Series Code **ZFB - Series**
 File Version **V 1.2**
 Description **Multilayer Ferrite Chip Bead**



Electrical Characteristic

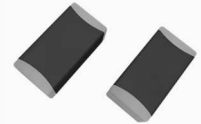
Part Number	Impedance (Ω)	Tolerance (%)	Test Frequency (MHz)	DCR(Ω) (Max.)	Rated Current (mA)/(Max.)
ZFB-0603N-100□	10	25	100	0.020	900
ZFB-0603N-110□	11	25	100	0.050	500
ZFB-0603N-190□	19	25	100	0.080	500
ZFB-0603N-220□	22	25	100	0.200	400
ZFB-0603N-250□	25	25	100	0.100	400
ZFB-0603N-260□	26	25	100	0.100	400
ZFB-0603N-300□	30	25	100	0.100	400
ZFB-0603N-310□	31	25	100	0.100	400
ZFB-0603N-400□	40	25	100	0.200	300
ZFB-0603N-470□	47	25	100	0.200	300
ZFB-0603N-500□	50	25	100	0.100	300
ZFB-0603N-600□	60	25	100	0.100	300
ZFB-0603N-700□	70	25	100	0.150	300
ZFB-0603N-750□	75	25	100	0.150	300
ZFB-0603N-800□	80	25	100	0.200	500
ZFB-0603N-900□	90	25	100	0.200	300
ZFB-0603N-101□	100	25	100	0.200	200
ZFB-0603N-121□	120	25	100	0.250	300
ZFB-0603N-151□	150	25	100	0.300	200
ZFB-0603N-181□	180	25	100	0.300	200
ZFB-0603N-201□	200	25	100	0.300	200
ZFB-0603N-221□	220	25	100	0.300	200
ZFB-0603N-241□	240	25	100	0.400	200
ZFB-0603N-301□	300	25	100	0.400	200
ZFB-0603N-331□	330	25	100	0.500	200
ZFB-0603N-451□	450	25	100	0.500	200
ZFB-0603N-471□	470	25	100	0.500	200
ZFB-0603N-501□	500	25	100	0.500	200
ZFB-0603N-601□	600	25	100	0.500	200
ZFB-0603N-751□	750	25	100	0.700	200
ZFB-0603N-102□	1000	25	100	0.700	200
ZFB-0603N-152□	1500	25	100	1.000	50
ZFB-0603N-222□	2200	25	100	1.200	50
ZFB-0603N-252□	2500	25	100	1.300	50

Note : Tolerance : N = ±25%.

COIL SPECIFICATION



Brand **ZenithTek**
 Product Series Code **ZFB - Series**
 File Version **V 1.2**
 Description **Multilayer Ferrite Chip Bead**



Electrical Characteristic

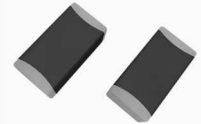
Part Number	Impedance (Ω)	Tolerance (%)	Test Frequency (MHz)	DCR(Ω) (Max.)	Rated Current (mA)/(Max.)
ZFB-0805N-070□	7	25	100	0.150	600
ZFB-0805N-090□	9	25	100	0.150	600
ZFB-0805N-110□	11	25	100	0.150	600
ZFB-0805N-170□	17	25	100	0.150	600
ZFB-0805N-190□	19	25	100	0.150	600
ZFB-0805N-220□	22	25	100	0.150	600
ZFB-0805N-260□	26	25	100	0.150	600
ZFB-0805N-300□	30	25	100	0.150	600
ZFB-0805N-310□	31	25	100	0.150	600
ZFB-0805N-400□	40	25	100	0.150	500
ZFB-0805N-470□	47	25	100	0.150	500
ZFB-0805N-500□	50	25	100	0.150	500
ZFB-0805N-600□	60	25	100	0.150	500
ZFB-0805N-700□	70	25	100	0.150	500
ZFB-0805N-800□	80	25	100	0.150	500
ZFB-0805N-900□	90	25	100	0.150	500
ZFB-0805N-101□	100	25	100	0.250	300
ZFB-0805N-121□	120	25	100	0.250	300
ZFB-0805N-151□	150	25	100	0.250	300
ZFB-0805N-201□	200	25	100	0.300	300
ZFB-0805N-221□	220	25	100	0.300	300
ZFB-0805N-301□	300	25	100	0.300	300
ZFB-0805N-331□	330	25	100	0.300	300
ZFB-0805N-401□	400	25	100	0.300	300
ZFB-0805N-451□	450	25	100	0.400	300
ZFB-0805N-471□	470	25	100	0.400	300
ZFB-0805N-501□	500	25	100	0.400	300
ZFB-0805N-601□	600	25	100	0.400	200
ZFB-0805N-751□	750	25	100	0.500	200
ZFB-0805N-102□	1000	25	100	0.500	200
ZFB-0805N-122□	1200	25	100	0.450	200
ZFB-0805N-152□	1500	25	100	0.600	200
ZFB-0805N-202□	2000	25	100	0.600	200
ZFB-0805N-222□	2200	25	100	0.600	200
ZFB-0805N-252□	2500	25	100	0.700	200
ZFB-0805N-272□	2700	25	100	0.700	200

Note : Tolerance : N = ±25%.

COIL SPECIFICATION



Brand **ZenithTek**
 Product Series Code **ZFB - Series**
 File Version **V 1.2**
 Description **Multilayer Ferrite Chip Bead**



Electrical Characteristic

Part Number	Impedance (Ω)	Tolerance (%)	Test Frequency (MHz)	DCR(Ω) (Max.)	Rated Current (mA)/(Max.)
ZFB-1206N-110□	11	25	100	0.050	600
ZFB-1206N-190□	19	25	100	0.050	600
ZFB-1206N-260□	26	25	100	0.050	600
ZFB-1206N-300□	30	25	100	0.050	600
ZFB-1206N-310□	31	25	100	0.050	600
ZFB-1206N-320□	32	25	100	0.050	600
ZFB-1206N-470□	47	25	100	0.100	500
ZFB-1206N-500□	50	25	100	0.100	500
ZFB-1206N-600□	60	25	100	0.100	500
ZFB-1206N-700□	70	25	100	0.100	500
ZFB-1206N-800□	80	25	100	0.150	500
ZFB-1206N-900□	90	25	100	0.150	500
ZFB-1206N-101□	100	25	100	0.150	500
ZFB-1206N-121□	120	25	100	0.150	500
ZFB-1206N-151□	150	25	100	0.150	500
ZFB-1206N-201□	200	25	100	0.200	400
ZFB-1206N-221□	220	25	100	0.200	400
ZFB-1206N-301□	300	25	100	0.200	400
ZFB-1206N-401□	400	25	100	0.200	400
ZFB-1206N-471□	470	25	100	0.200	400
ZFB-1206N-501□	500	25	100	0.200	400
ZFB-1206N-601□	600	25	100	0.300	400
ZFB-1206N-102□	1000	25	50	0.400	200
ZFB-1206N-122□	1200	25	50	0.400	200
ZFB-1206N-152□	1500	25	50	0.450	200
ZFB-1206N-202□	2000	25	30	0.600	200
ZFB-1206N-272□	2700	25	30	0.600	200

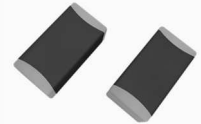
Part Number	Impedance (Ω)	Tolerance (%)	Test Frequency (MHz)	DCR(Ω) (Max.)	Rated Current (mA)/(Max.)
ZFB-1210N-320□	32	25	100	0.200	500
ZFB-1210N-600□	60	25	100	0.200	500
ZFB-1210N-900□	90	25	100	0.200	500

Note : Tolerance : N = ±25%.

COIL SPECIFICATION



Brand ZenithTek
Product Series Code ZFB - Series
File Version V 1.2
Description Multilayer Ferrite Chip Bead



Electrical Characteristic

Part Number	Impedance (Ω)	Tolerance (%)	Test Frequency (MHz)	DCR(Ω) (Max.)	Rated Current (mA)/(Max.)
ZFB-1806N-50□	50	25	100	0.200	600
ZFB-1806N-60□	60	25	100	0.200	600
ZFB-1806N-80□	80	25	100	0.200	600
ZFB-1806N-101□	100	25	100	0.300	500
ZFB-1806N-151□	150	25	100	0.300	500
ZFB-1806N-171□	170	25	100	0.300	500

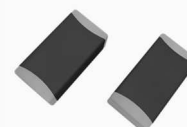
Part Number	Impedance (Ω)	Tolerance (%)	Test Frequency (MHz)	DCR(Ω) (Max.)	Rated Current (mA)/(Max.)
ZFB-1812N-70□	70	25	100	0.300	500
ZFB-1812N-121□	120	25	100	0.300	500

Note : Tolerance : N = ±25%.

COIL SPECIFICATION



Brand **ZenithTek**
 Product Series Code **ZFB - Series**
 File Version **V 1.2**
 Description **Multilayer Ferrite Chip Bead**



Electrical Characteristic

Part Number	Impedance (Ω)	Tolerance (%)	Test Frequency (MHz)	DCR(Ω) (Max.)	Rated Current (mA)/(Max.)
ZFB-0402S-060□	6	25	100	0.100	300
ZFB-0402S-100□	10	25	100	0.200	200
ZFB-0402S-400□	40	25	100	0.400	150
ZFB-0402S-800□	80	25	100	0.600	100
ZFB-0402S-121□	120	25	100	0.800	50

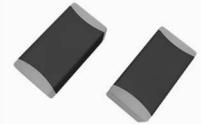
Part Number	Impedance (Ω)	Tolerance (%)	Test Frequency (MHz)	DCR(Ω) (Max.)	Rated Current (mA)/(Max.)
ZFB-0603S-060□	6	25	100	0.050	500
ZFB-0603S-100□	10	25	100	0.070	400
ZFB-0603S-300□	30	25	100	0.300	300
ZFB-0603S-400□	40	25	100	0.300	300
ZFB-0603S-470□	47	25	100	0.300	300
ZFB-0603S-600□	60	25	100	0.300	300
ZFB-0603S-750□	75	25	100	0.400	300
ZFB-0603S-800□	80	25	100	0.400	300
ZFB-0603S-101□	100	25	100	0.400	300
ZFB-0603S-121□	120	25	100	0.400	300
ZFB-0603S-131□	130	25	100	0.400	300
ZFB-0603S-221□	220	25	100	0.400	200
ZFB-0603S-241□	240	25	100	0.400	200
ZFB-0603S-301□	300	25	100	0.500	200
ZFB-0603S-481□	480	25	100	0.600	150
ZFB-0603S-601□	600	25	100	0.600	100
ZFB-0603S-102□	1000	25	100	0.700	100
ZFB-0603S-152□	1500	25	100	0.800	100
ZFB-0603S-182□	1800	25	100	0.950	100
ZFB-0603S-222□	2200	25	100	1.500	50

Note : Tolerance : N = ±25%.

COIL SPECIFICATION



Brand ZenithTek
Product Series Code ZFB - Series
File Version V 1.2
Description Multilayer Ferrite Chip Bead



Electrical Characteristic

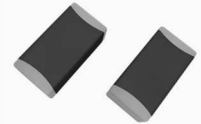
Part Number	Impedance (Ω)	Tolerance (%)	Test Frequency (MHz)	DCR(Ω) (Max.)	Rated Current (mA)/(Max.)
ZFB-0805S-060□	6	25	100	0.070	800
ZFB-0805S-110□	11	25	100	0.100	700
ZFB-0805S-260□	26	25	100	0.200	600
ZFB-0805S-300□	30	25	100	0.200	600
ZFB-0805S-320□	32	25	100	0.200	600
ZFB-0805S-400□	40	25	100	0.300	500
ZFB-0805S-600□	60	25	100	0.300	500
ZFB-0805S-750□	75	25	100	0.300	500
ZFB-0805S-900□	90	25	100	0.300	500
ZFB-0805S-101□	100	25	100	0.400	400
ZFB-0805S-121□	120	25	100	0.400	400
ZFB-0805S-151□	150	25	100	0.400	400
ZFB-0805S-171□	170	25	100	0.500	400
ZFB-0805S-201□	200	25	100	0.500	300
ZFB-0805S-221□	220	25	100	0.500	300
ZFB-0805S-301□	300	25	100	0.500	300
ZFB-0805S-401□	400	25	100	0.500	300
ZFB-0805S-501□	500	25	100	0.500	200
ZFB-0805S-601□	600	25	100	0.500	200
ZFB-0805S-751□	750	25	100	0.600	100
ZFB-0805S-102□	1000	25	100	0.600	100
ZFB-0805S-122□	1200	25	100	0.700	100
ZFB-0805S-152□	1500	25	100	0.700	100
ZFB-0805S-222□	2200	25	100	0.750	100
ZFB-0805S-272□	2700	25	100	0.850	100

Note : Tolerance : N = ±25%.

COIL SPECIFICATION



Brand ZenithTek
Product Series Code ZFB - Series
File Version V 1.2
Description Multilayer Ferrite Chip Bead



Electrical Characteristic

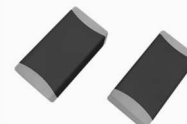
Part Number	Impedance (Ω)	Tolerance (%)	Test Frequency (MHz)	DCR(Ω) (Max.)	Rated Current (mA)/(Max.)
ZFB-1206S-190□	19	25	100	0.200	600
ZFB-1206S-320□	32	25	100	0.200	600
ZFB-1206S-600□	60	25	100	0.300	500
ZFB-1206S-800□	80	25	100	0.300	500
ZFB-1206S-900□	90	25	100	0.300	500
ZFB-1206S-121□	120	25	100	0.400	400
ZFB-1206S-151□	150	25	100	0.400	400
ZFB-1206S-201□	200	25	100	0.500	300
ZFB-1206S-221□	220	25	100	0.500	300
ZFB-1206S-351□	350	25	100	0.600	300
ZFB-1206S-401□	400	25	100	0.600	300
ZFB-1206S-601□	600	25	100	0.800	300
ZFB-1206S-122□	1200	25	100	1.000	200
ZFB-1206S-152□	1500	25	100	1.200	150

Note : Tolerance : N = ±25%.

COIL SPECIFICATION



Brand **ZenithTek**
 Product Series Code **ZFB - Series**
 File Version **V 1.2**
 Description **Multilayer Ferrite Chip Bead**



Electrical Characteristic

Part Number	Impedance (Ω)	Tolerance (%)	Test Frequency (MHz)	DCR(Ω) (Max.)	Rated Current (mA)/(Max.)
ZFB-0402H-100□	10	25	100	0.050	1000
ZFB-0402H-221□	220	25	100	0.350	800
ZFB-0402H-601□	600	25	100	0.800	500

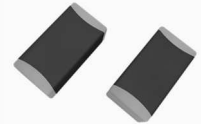
Part Number	Impedance (Ω)	Tolerance (%)	Test Frequency (MHz)	DCR(Ω) (Max.)	Rated Current (mA)/(Max.)
ZFB-0603H-100□	10	25	100	0.030	3000
ZFB-0603H-110□	11	25	100	0.030	3000
ZFB-0603H-120□	12	25	100	0.030	3000
ZFB-0603H-250□	25	25	100	0.030	3000
ZFB-0603H-300□	30	25	100	0.050	3000
ZFB-0603H-400□	40	25	100	0.050	3000
ZFB-0603H-600□	60	25	100	0.050	3000
ZFB-0603H-700□	70	25	100	0.050	2500
ZFB-0603H-750□	75	25	100	0.050	2500
ZFB-0603H-800□	80	25	100	0.100	3000
ZFB-0603H-900□	90	25	100	0.050	2500
ZFB-0603H-101□	100	25	100	0.100	2500
ZFB-0603H-121□	120	25	100	0.080	2500
ZFB-0603H-151□	150	25	100	0.080	2000
ZFB-0603H-181□	180	25	100	0.150	2000
ZFB-0603H-201□	200	25	100	0.150	2000
ZFB-0603H-221□	220	25	100	0.150	2000
ZFB-0603H-301□	300	25	100	0.150	2000
ZFB-0603H-331□	330	25	100	0.150	1500
ZFB-0603H-391□	390	25	100	0.150	1000
ZFB-0603H-471□	470	25	100	0.200	1500
ZFB-0603H-501□	500	25	100	0.200	1000
ZFB-0603H-601□	600	25	100	0.200	1000
ZFB-0603H-102□	1000	25	100	0.450	800

Note : Tolerance : N = ±25%.

COIL SPECIFICATION



Brand ZenithTek
Product Series Code ZFB - Series
File Version V 1.2
Description Multilayer Ferrite Chip Bead



Electrical Characteristic

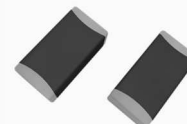
Part Number	Impedance (Ω)	Tolerance (%)	Test Frequency (MHz)	DCR(Ω) (Max.)	Rated Current (mA)/(Max.)
ZFB-0805H-070□	7	25	100	0.010	6000
ZFB-0805H-110□	11	25	100	0.010	6000
ZFB-0805H-170□	17	25	100	0.020	5000
ZFB-0805H-220□	22	25	100	0.020	4000
ZFB-0805H-300□	30	25	100	0.020	4000
ZFB-0805H-310□	31	25	100	0.020	4000
ZFB-0805H-400□	40	25	100	0.020	3000
ZFB-0805H-420□	42	25	100	0.025	4000
ZFB-0805H-500□	50	25	100	0.025	3000
ZFB-0805H-600□	60	25	100	0.030	3000
ZFB-0805H-700□	70	25	100	0.040	3000
ZFB-0805H-750□	75	25	100	0.040	3000
ZFB-0805H-800□	80	25	100	0.040	3000
ZFB-0805H-900□	90	25	100	0.040	3000
ZFB-0805H-101□	100	25	100	0.060	3000
ZFB-0805H-121□	120	25	100	0.040	3000
ZFB-0805H-151□	150	25	100	0.050	2500
ZFB-0805H-181□	180	25	100	0.050	2500
ZFB-0805H-201□	200	25	100	0.050	2500
ZFB-0805H-221□	220	25	100	0.050	2500
ZFB-0805H-301□	300	25	100	0.080	3000
ZFB-0805H-331□	330	25	100	0.080	2500
ZFB-0805H-401□	400	25	100	0.100	2000
ZFB-0805H-501□	500	25	100	0.100	2000
ZFB-0805H-601□	600	25	100	0.150	2000
ZFB-0805H-102□	1000	25	100	0.300	1000

Note : Tolerance : N = ±25%.

COIL SPECIFICATION



Brand **ZenithTek**
 Product Series Code **ZFB - Series**
 File Version **V 1.2**
 Description **Multilayer Ferrite Chip Bead**



Electrical Characteristic

Part Number	Impedance (Ω)	Tolerance (%)	Test Frequency (MHz)	DCR(Ω) (Max.)	Rated Current (mA)/(Max.)
ZFB-1206H-110□	11	25	100	0.015	6000
ZFB-1206H-190□	19	25	100	0.015	6000
ZFB-1206H-260□	26	25	100	0.015	6000
ZFB-1206H-300□	30	25	100	0.015	4000
ZFB-1206H-310□	31	25	100	0.015	4000
ZFB-1206H-320□	32	25	100	0.015	4000
ZFB-1206H-500□	50	25	100	0.020	4000
ZFB-1206H-600□	60	25	100	0.020	4000
ZFB-1206H-800□	80	25	100	0.040	3000
ZFB-1206H-900□	90	25	100	0.040	3000
ZFB-1206H-101□	100	25	100	0.040	3000
ZFB-1206H-121□	120	25	100	0.040	3000
ZFB-1206H-151□	150	25	100	0.060	2000
ZFB-1206H-221□	220	25	100	0.060	2000
ZFB-1206H-301□	300	25	100	0.060	2000
ZFB-1206H-391□	390	25	100	0.100	2000
ZFB-1206H-501□	500	25	100	0.100	2000
ZFB-1206H-601□	600	25	100	0.100	2000
ZFB-1206H-102□	1000	25	50	0.300	1000
ZFB-1206H-122□	1200	25	50	0.180	1000
ZFB-1206H-152□	1500	25	50	0.200	800

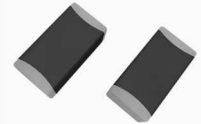
Part Number	Impedance (Ω)	Tolerance (%)	Test Frequency (MHz)	DCR(Ω) (Max.)	Rated Current (mA)/(Max.)
ZFB-1210H-600□	60	25	100	0.025	4000
ZFB-1210H-900□	90	25	100	0.025	3000

Note : Tolerance : N = ±25%.

COIL SPECIFICATION



Brand ZenithTek
Product Series Code ZFB - Series
File Version V 1.2
Description Multilayer Ferrite Chip Bead



Electrical Characteristic

Part Number	Impedance (Ω)	Tolerance (%)	Test Frequency (MHz)	DCR(Ω) (Max.)	Rated Current (mA)/(Max.)
ZFB-1806H-50□	50	25	100	0.020	6000
ZFB-1806H-60□	60	25	100	0.020	5000
ZFB-1806H-80□	80	25	100	0.025	4000
ZFB-1806H-151□	150	25	100	0.100	2000

Part Number	Impedance (Ω)	Tolerance (%)	Test Frequency (MHz)	DCR(Ω) (Max.)	Rated Current (mA)/(Max.)
ZFB-1812H-70□	70	25	100	0.030	6000
ZFB-1812H-121□	120	25	100	0.015	6000

Note : Tolerance : N = ±25%.